

# Primary Current Injection Test

## General information about ADPI-BX-200 Primary Current Injection Test Set:

ADPI-BX-200 Primary Current Injection Test Set, is mainly used for testing current transformer, motor protector, air switch, switch cabinet, circuit breaker, protection screen and etc.

### Features:

- PVC panel, simple and neat.
- With low power, big capacity autotransformer regulator and converter inside.
- Quick connects, lock design, good current-through capability.
- Built-in quick plug with high safety, to ensure reliable cable connection and improve test efficiency.
- Current range can be changed, easy to read.
- Engineering plastics box, dust-proof and waterproof, IP67 class.
- Portable design, suitable for on-site testing.
- Damping design, to ensure reliable transportation
- Zero start function to prevent the test objects from damage caused by high current impulse. The equipment only can be started from zero.
- Impulse selection function. The required current can be output directly without zero protection function when making quick-break testing for circuit breaker.



## Other features:

- Accurate measurement. LCD digital indicator to display output current and voltage. The resolution of output current is 1A .
- Output 0-50A AC current, suitable for over current quick break testing of secondary protection.
- Action time can be tested synchronously.
- More calibrations can be series connected at the same time to improve working efficiency.
- Directly display primary current and secondary current, convenient for CT/PT
- turn ratios calibration test. (Optional)

## Technical Specification of the device:

- Power supply: AC 220V 50Hz.
- Output power: 3kVA.
- Output current: 500A in series, 1000A in parallel.
- Output voltage: 6V in series, 3V in parallel.
- Current can be adjusted smoothly and continuously. The accuracy is 1.0%.
- Output current is standard sine wave, waveform distortion is less than 5%.
- Secondary injection current: 50A
- Output current: RMS continuous adjustable.
- The action time of test object can be tested, the lock action time is also can be recorded at the same time.
- Test range: 0.001S-999.999S, resolution 1ms, error: 0.005%, range:  $\pm 2$ digits
- Duty Cycle: 5mins ON, 10mins OFF.

